

### **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listing of claims in the application:

#### **LISTING OF CLAIMS:**

Claim 1 (Currently amended) ~~A An earphone-type~~ physiological function detecting system, ~~which attaches~~ comprising:

an earphone including a physiological function detecting unit, said physiological function detecting unit including a sensor module having an output coupled to a signal converting module; and into

a portable electronic entertainment product for a user to detect his physiological functions anytime and anywhere, and displays, alarms, stores, and transmits a detected result to a far end by said portable electronic product coupled to said earphone for output of audio entertainment signals thereto and receiving physiological signals from an output of said signal converting module, said portable electronic entertainment product including (a) a receiving circuit having an input coupled to said output of said signal converting module for receiving said physiological signals therefrom, (b) a display coupled to the receiving circuit for displaying data relating to operation of said portable electronic entertainment product and said physiological signals, (c) a memory coupled to the receiving circuit for storing said physiological signals, and (d) a control circuit coupled to

the receiving circuit for initiating an alarm output responsive to detection of said physiological signals exceeding a pre-established limit.

Claim 2 (Currently amended) The ~~earphone-type~~ physiological function detecting system according to claim 1, wherein said portable electronic entertainment product is one selected from a group consisting of a ~~mobile phone~~, an MP3 ~~walkman player~~, a CD ~~walkman player~~, and a radio.

Claim 3 (Currently amended) A ~~An earphone-type~~ physiological function detecting system, comprising:

a mobile phone including a mobile phone circuit, a display coupled to an output of said mobile phone circuit for displaying data relating to operation of said mobile phone, and a control circuit having an output coupled to said mobile phone circuit; and,

a detecting unit with a detecting sensor module and a signal converting module combined therein, in which said signal converting module receives a physiological function signal from said detecting sensor module, converts said physiological function signal into a mobile phone receivable physiological signal, and transmits said physiological signal to said mobile phone ~~via~~ through one of a wired way connection or a wireless way connection, [[:]] said

mobile phone comprising: ~~a control interface connecting with a mobile phone circuit for transmitting a control signal to said mobile phone circuit and controlling each input/output module action accordingly; a mobile phone circuit receiving signals~~ said physiological signal from said signal converting module and ~~said control interface, identifying said signals, and transmitting said signals to each output module to be executed; a~~ couples said physiological signal to said display module receiving physiological function signals from said mobile phone circuit and displaying said signals; for display thereof, said mobile phone further including a transmission interface coupled to said mobile phone circuit for receiving said physiological function signals therefrom said mobile phone circuit for transmitting said physiological signals to a far end; remote location and a memory module receiving said physiological function signals from said mobile phone circuit for storing said signals; and a buzzer receiving signals from said mobile phone circuit and ringing as an alarm for reminding that detected physiological function signals exceed standard values. storage thereof, said control circuit initiating an alarm output responsive to detection of said physiological signals exceeding a pre-established limit.

Claim 4 (Currently amended) The ~~earphone-type~~ physiological function detecting system according to claim 3, wherein said ~~detecting unit also directly combines~~

~~with said~~ mobile phone ~~[[,]]~~ includes an opening for receiving said detecting unit and a push button ~~is~~ disposed on a panel of said mobile phone, ~~in which~~ said push button ~~controls~~ controlling receipt of said detecting unit ~~being inserted or not in~~ said opening.

Claim 5 (Currently amended) The ~~earphone-type~~ physiological function detecting system according to claim 3, wherein said detecting unit is disposed apart from said mobile phone, and said detecting unit is inserted into a slot of said mobile phone for detecting said physiological function signal, when being used.

Claims 6 - 14 (Cancelled).

Claim 15 (New) A mobile phone incorporating a physiological function detecting system, comprising:

- a longitudinally extended housing having an opening formed therein;
- a display disposed on said housing for displaying both data relating to operation of said mobile phone and physiological data;
- a mobile phone circuit disposed in said housing and having an output coupled to said display;
- a memory disposed in said housing and being coupled to said mobile phone circuit for storage of at least said physiological data;

a control circuit disposed in said housing and being coupled to said mobile phone circuit;

a detecting unit displaceably mounted within said opening in said housing, said detecting unit including a physiological detecting sensor, and a signal converting module coupled to said physiological detecting sensor for coupling said physiological data to said mobile phone circuit, said control circuit initiating an alarm output responsive to detection of said physiological data exceeding a pre-established limit; and

a push button extending from said housing and being longitudinally displaceable to longitudinally displace said detecting unit from said opening in said housing.